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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

03/10/2004

EXAMINER

Kimton N. Eng, Esq.
DORSEY & WHITNEY LLP
Suite 3400
1420 Fifth Avenue

Seattle, WA 98101

DANG, PHUC T

ART UNIT

PAPER NUMBER

2818

DATE MAILED: 03/10/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/643,269	08/18/2003	Kris K. Brown	501183.02	4647

TITLE OF INVENTION: MEMORY CELL AND METHOD FOR FORMING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	.TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/10/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

03/10/2004

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

ransmitted to the USPTO, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

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10/643,269	08/18/2003	Kris K. Brown	501183.02	4647

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nonprovisional	NO	\$1330		\$300	\$1630	06/10/2004
EXAMINER		ART UNIT		CLASS-SUBCLASS		,
DANG, PHUC T		2818		438-300000		
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 		Correspondence	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
3. ASSIGNEE NAME AND PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN		low, no assignee d submitted under se	lata will appe parate cover.	T (print or type) car on the patent. Inclusion of a Completion of this form is NO CE: (CITY and STATE OR CO	ssignee data is only appropri T a substitute for filing an ass UNTRY)	ate when an assignment has ignment.
	e assignee category or category				corporation or other private g	roup entity governmen
4a. The following fee(s) are	e enclosed:	46	b. Payment of		alanad	
☐ Issue Fee				in the amount of the fee(s) is en		
Publication Fee			•	by credit card. Form PTO-2038		1:4
☐ Advance Order - # of	f Copies		The Direction Deposit Ac	ector is hereby authorized by count Number	harge the required fee(s), or (enclose an extra c	copy of this form).
Director for Patents is requ	ested to apply the Issue Fee a	and Publication Fee	(if any) or to	o re-apply any previously paid i	ssue fee to the application ide	entified above.
(Authorized Signature)		(Date)				
other than the applicant; interest as shown by the range of the result o	nd Publication Fee (if required a registered attorney or agrecords of the United States Postion is required by 37 CFF to by the public which is to try is governed by 35 U.S.C. utes to complete, including gorm to the USPTO. Time we have the amount of time you this burden, should be sent Office, U.S. Department SEND FEES OR COMPLET for Patents, Alexandria, Vincerords	gent; or the assign atent and Tradema R 1.311. The information of Land by the US 122 and 37 CFR 1. Sathering, preparing ill vary depending require to complete to the Chief Information of Commerce, A ETED FORMS TO	mation is required by the second of the seco	party in quired to cess) an ection is tting the dividual an and/or cer, U.S.		

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DORSEY & WHIT Suite 3400	NEY LLP		ART UNIT	PAPER NUMBER
1420 Fifth Avenue			2818	
Seattle, WA 98101		DATE MAILED: 03/10/2004		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

·	Application No.	Applicant(s)
	10/643,269	BROWN, KRIS K.
Notice of Allowability	Examiner	Art Unit
	PHUC T DANG	2818
The MAILING DATE of this communication appeals all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. X This communication is responsive to Preliminary Amendment	ent filed on Augsut 18, 2003.	
2. The allowed claim(s) is/are 37-49 (renumbered as in new of	claims 1-13).	
3. The drawings filed on 18 August 2003 are accepted by the	Examiner.	
 4. Acknowledgment is made of a claim for foreign priority unally all b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	e been received. e been received in Application No cuments have been received in this i	
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which give		
 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date	son's Patent Drawing Review (PTO- s Amendment / Comment or in the Co84(c)) should be written on the drawing the header according to 37 CFR 1.121(co esit of BIOLOGICAL MATERIAL re	office action of ags in the front (not the back) of a). nust be submitted. Note the
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 1103 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Summary Paper No./Mail Dat 08), 7. Examiner's Amendr 8. Examiner's Statemen	nent/Comment ent of Reasons for Allowance
	PHUC T. DANG PRIMARY EXAMINER	Langghun

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DETAILED ACTION

Response to Preliminary Amendment

1. This Office Action is in response to Preliminary Amendment filed on August 18, 2003.

Claims 1-36 have been canceled.

Claims 37-49 are renumbered as in new claims 1-13.

Claims 37-49 are currently pending in this application.

Examiner's Statement of Reasons for Allowance

- 2. Claims 37-49 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

Claims are allowable over the prior art for at least the reason that the prior art of record, taken alone or in combination, fails to teach or reasonably suggests a method for forming a semiconductor structure on a surface of a substrate, comprising a step of <u>forming an epitaxial post on the substrate over the active region, the epitaxial post having at least one surface extending outwardly from the surface of the substrate and further having a surface opposite of the surface of the substrate.</u>

- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuc T. Dang whose telephone number is (571) 272-1776. The examiner can normally be reached on 8:00 am-5:00 pm.
- 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on 703-308-4910. The fax phone numbers for the organization

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where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9306 for After Final communications.

6. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Langphier

Phuc T. Dang

PD

Primary Examiner

Art Unit 2818

February 28, 2004